

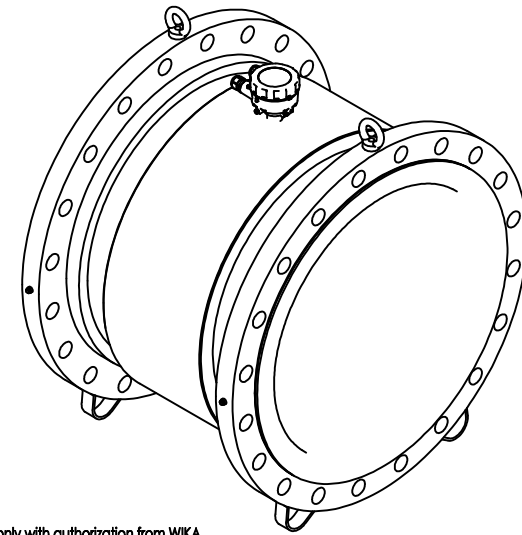
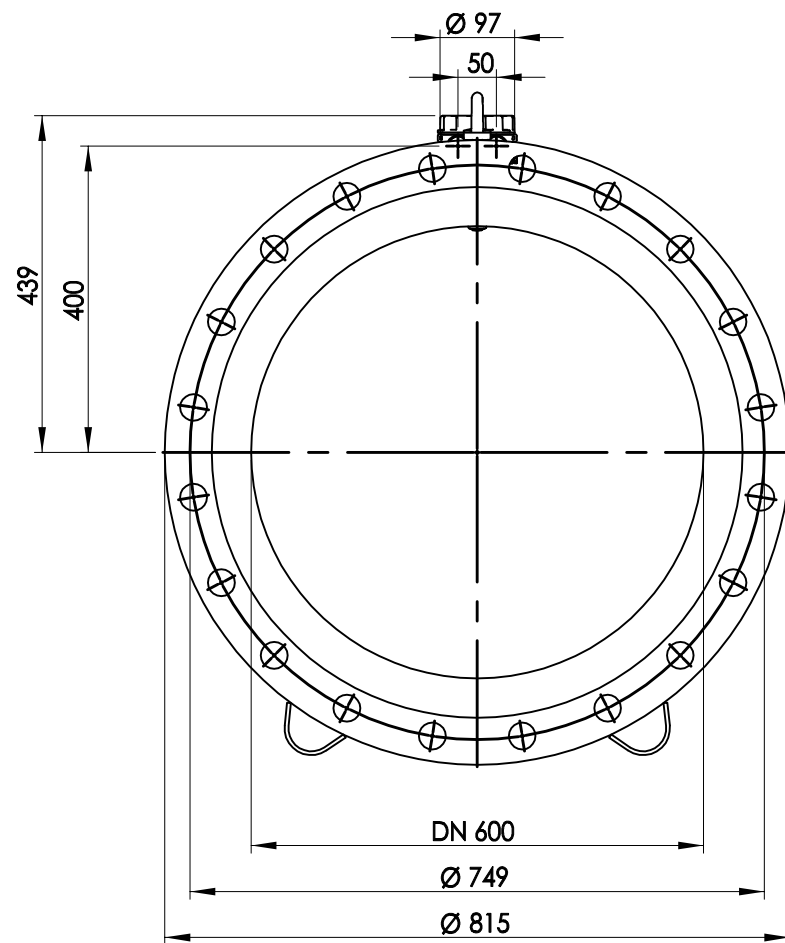
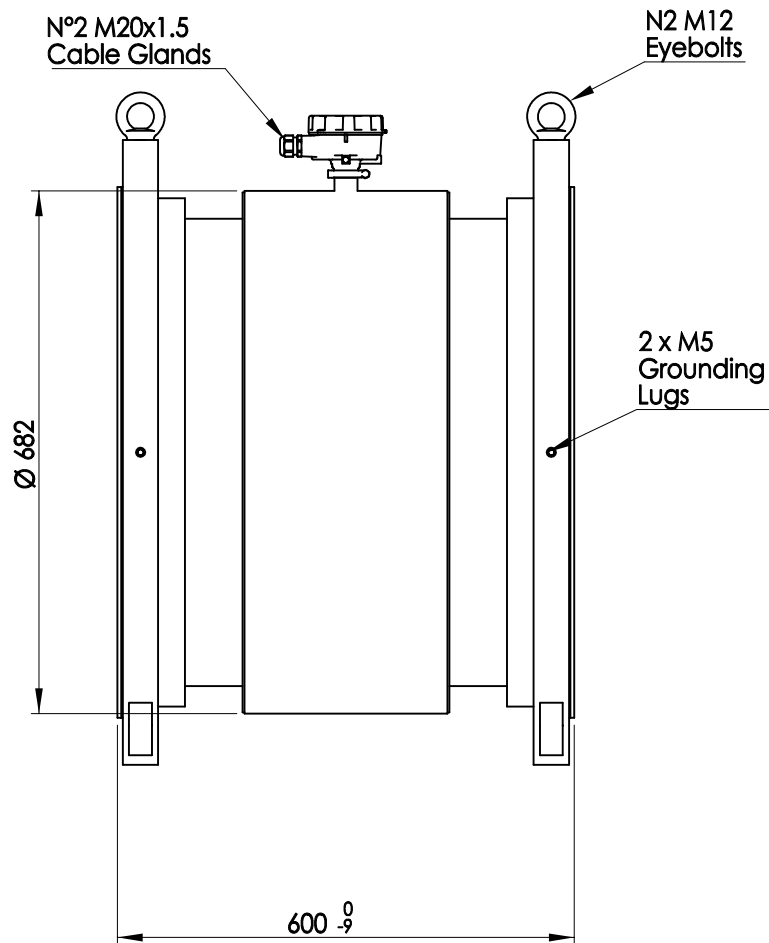
ENGINEER'S STICKER:										CONTRACTOR'S STICKER:									
0	Issued for approval					JV	AA	IK	01/03/2022										
A	Issued for approval					JV	AA	IK	13/01/2022										
تتفح REV.	سبب الإصدار ISSUED FOR					بواسطة PREPARED	راجعها CHECKED	وافق عليها APPROVED	التاريخ DATE										
 Project No					المملكة العربية السعودية KINGDOM OF SAUDI ARABIA المؤسسة العامة لتحلية المياه المالحة SALINE WATER CONVERSION CORPORATION (SWCC)														
					نظام نقل مياه الجبيل – الرياض Jubail – Riyadh Water Transmission System محطة خزانات الخرج AL-KHARJ Reservoir Station														
المهندس ENGINEER																			
المقاول CONTRACTOR					 RTCC شركة الراشد للتجارة والمقاولات AL-RASHID TRADING & CONTRACTING CO.														
					SPECIFICATION OF FLOW METER														
					DOCUMENT No.												SHEET		REV.
					4	9	-	Q	B	2	0	-	H	-	3	1	2	1	0
FINAL ENGINEERING																			

	KINGDOM OF SAUDI ARABIA							PAGE 2 OF 19
	Saline Water Conversion Corporation							
	AL-KHARJ RESERVOIR STATION							
	Subject:							Spec. No. S01.S02&S03
Revision Index	SPECIFICATION OF FLOW METER							
	First	Rev.	A	0				Document Number
	Issue	Date:	13/01/2022	01/03/2022				49-QB20-H-312
TABLE OF CONTENTS 1. SCOPE OF WORKS.....3 2. REFERENCES AND STANDARDS.....3 3. TECHNICAL DATASHEET.....4 4. GAD DRAWING.....5 5. CATALOGUE.....7								
Final Engineering			Contractor				Subcontractor	
			AL-RASHID TRADING & CONTRACTING CO.					

	KINGDOM OF SAUDI ARABIA							PAGE 3 OF 19
	Saline Water Conversion Corporation							
	AL-KHARJ RESERVOIR STATION							
	Subject:							Spec. No. S01.S02&S03
Revision Index	SPECIFICATION OF FLOW METER							
	First	Rev.	A	0				Document Number
	Issue	Date:	13/01/2022	01/03/2022				49-QB20-H-312
1. Scope: The Material submittal covers manufacturing and factory testing, as well as for preparation and supply of documentation for flowmeter used for Al Kharj Reservoir Stations Project for SWCC Water Transmission System. 2. References and Standards The Euromisure magnetic meters are marked CE and are manufactured according to the following standards: ■ 2014/35/EU - EN 61010-1:2013 (LVD) ■ 2014/30/EU - EN 61326-1:2013 (EMC) ■ OIML R49-1:2013 ■ European directive 2014/32/EU (MID) ■ 2014/34/UE - IEC 60079 - 0, IEC 60079 - 18 (ATEX -IECEX) Separate version ■ EN ISO 15609-1 and EN ISO 15614-1 ■ UNI EN ISO 12944-2, painting for C4 class environments (on request) ■ Ebonite conform to the norms WRAS, FDA and DM174. Project specifications: S01 Design and Construction of I&C Systems S01_QC10-H-121 S02 Field Instrumentation S02_QC10-H-122 S03 Installation and Start-up of Field Instrumentation. S03_QC10-H-123								
Final Engineering			Contractor				Subcontractor	
			AL-RASHID TRADING & CONTRACTING CO.					

	KINGDOM OF SAUDI ARABIA							PAGE 4 OF 19
	Saline Water Conversion Corporation							
	AL-KHARJ RESERVOIR STATION							
	Subject:							Spec. No. S01.S02&S03
Revision Index	SPECIFICATION OF FLOW METER							
	First	Rev.	A	0				Document Number
	Issue	Date:	13/01/2022	01/03/2022				49-QB20-H-312
3. Technical Datasheet Magnetic flowmeter Sensor body model FLC-2200EL Size and rating : 24" ANSI 150 RF Flange Standard: ASME B16.5 SS 304 Flow tube ASTM A105 Flanges Ebonite lining Max. design flow rate : 5500 m³/hr Accuracy: 0.2% +/- 2 mm/s of measured value Repeatability: 0.1% Electrodes: No.4 electrodes in Hastelloy C Grounding rings : 2 Nos degree of protection IP68 Accuracy Equipped with: Signal converter: FLC-608A with painted aluminum housing Separate Version Cable : 10m degree of protection IP68, display and keyboard, outputs: 4...20 mA output HART power supply: 90-264Vac power Electrical connection :Cable glands M20 x 1.5 + terminal block + sealing resin other features: integrated data logger with ability of 200.000 lines of data (approximately 6 years data storage with factory settings). Software for PC communication included Standard calibration certificate with 3 point calibration Tag Numbers: T1AKB49CF001; T1AKB49CF002								
Final Engineering			Contractor				Subcontractor	
			AL-RASHID TRADING & CONTRACTING CO.					

	KINGDOM OF SAUDI ARABIA							PAGE 5 OF 19
	Saline Water Conversion Corporation							
	AL-KHARJ RESERVOIR STATION							
	Subject:							Spec. No. S01.S02&S03
SPECIFICATION OF FLOW METER								
Revision Index	First	Rev.	A	0				Document Number 49-QB20-H-312
	Issue	Date:	13/01/2022	01/03/2022				
	4. GAD Drawing							
Final Engineering Contractor Subcontractor AL-RASHID TRADING & CONTRACTING CO.								



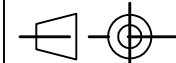
Specifications

Model	FLC-2200EL
Size	24"(DN 600)DN 600
Flanges type	ASME B16.5 - ANSI150
Max working pressure	21 bar
Electrodes	4 Electrodes HC
Excecution	Separate/Remote
Converter Type	-
Protection Class	IP68
Materials	
Electrodes	Hastelloy C-276
Flow Tube	AlSi304
Enclosure	Carbon Steel
Flanges	Carbon steel
Liner	Ebonite
Converter Enclosure	-
Separation box	Aluminium

All rights as well as rights to register patents and other property rights reserved. Any reproduction or disclosure only with authorization from WIKAI.



EUROMISURE S.a.s. di WIKAI ITALIA S.r.l.
CREMONA - ITALY



All dimensions in
[mm]

DESCRIPTION

FLC-2200EL

FLC-2200EL DN 600-(24") - ANSI 150 - A.C.-Ebanite - Separato

PART NUMBER	DRAWING NUMBER	WEIGHT	REVISION N°	DATE
	SO00003681-D01	~280 kg	2	14/01/2022
Qty:		2		

	KINGDOM OF SAUDI ARABIA							PAGE 7 OF 19
	Saline Water Conversion Corporation							
	AL-KHARJ RESERVOIR STATION							
	Subject:							Spec. No. S01.S02&S03
SPECIFICATION OF FLOW METER								
Revision Index	First	Rev.	A	0				Document Number 49-QB20-H-312
	Issue	Date:	13/01/2022	01/03/2022				
	5. Catalogue							
Final Engineering		Contractor					Subcontractor	
		AL-RASHID TRADING & CONTRACTING CO.						

Electromagnetic flowmeter - Sensor Model FLC-2300

Euromisure data sheet FLC EM 19.05

Applications

- Water cycle
- Water and waste water
- Process industry
- Industrial process liquids, muds and concretes

General features

The FLC-2300 sensors represent the state of the art of Euromisure production for water cycle and process applications. The innovative inner part of the sensor that increase considerably the liquid flow rate and the reading accuracy of signal generated to the electrodes, enables an extremely wide range of measurement.

These performances allow to measure also low flow rates precisely and repeatable, even in difficult/problematic applications with solid parts.

This flanged sensor series bases its operation on the Faraday Principle, by which a conductor crossing a magnetic field generates an electrical potential perpendicular to the field itself.

On the top and on the lower side of the stainless steel AISI 304 flow tube, two coils are installed; the magnetic field generated by the electric current crossing the coils, induces in the electrodes a potential difference proportional to the flow rate.

With the aim of measuring such potential of very low values, the interior of the flow tube is electrically insulated, thus the process liquid is no longer in contact neither with the material of the flow tube nor with that of the flanges. The converter generates the current supplying the coils, acquires the electrodes potential difference, process the signal to calculate the flowrate and manages all the communications.

The entire sensor has an IP68 protection degree suitable for a permanent immersion in water up to a depth of 1.5 m.



FLC-2300 - Remote version

Advantages

- No moving parts
- No intrusive parts
- No obstruction in the flow tube
- Very low pressure loss (below 1 m/s is irrelevant)
- Long lasting stability and precision, no filter needed, zero maintenance
- No periodic cleaning
- Accurate measure at high flow rate (firefighting systems) and at low flow rates (overnight flow rates)
- Extremely sturdy structure, with automated robot welding, internal parts protected by a bi-component resin to increase protection from external agents
- Ideal for pit installations even for permanent immersion in water or buried installations
- Bi-directional measure

Technical features

Body and flanges

The flanges and the sensor external surface are acrylic painted. This treatment gives the sensor an excellent resistance to water and external agents even in permanent immersion or buried. The FLC-2300 may be supplied in stainless steel, flanges included, or with a special paint ideal for application in C4 class environment (UNI EN ISO 12944-2).

Internal lining

The standard internal insulating lining is in Hard rubber (Ebonite) in compliance with WRAS, FDA and DM174 standards. The liquid temperature can reach 80°C. Thanks to its high resistance to scraping, the Ebonite is considered the best material for fluids containing scattered solids for applications of water treatment, residual water, potable water and irrigation.

Electrodes

The standard electrodes are in Hastelloy C and therefore this guarantees a wide compatibility with process fluids. If required, they may be supplied in Hastelloy B, Titanium, Tantalum and Platinum. A partially empty tube detection (fourth electrode) is installed and can be enabled or disabled through the software.

Coupling and sensor connection

FLC-2300 sensors may be coupled with any Euromisure converters. In the separate version the sensor is connected to the converter through a cable whose length depends on the liquid conductivity; the maximum length must not exceed 100 metres on the powered version and 30 metres on the battery version.

Negligible pressure drop

The electromagnetic flowmeters do not have any moving internal parts, thus they have a very low pressure drop. The OIML R-49 permits a maximum pressure drop of 630 mbar at velocity of about 8 m/s. The FLC-2300 flowmeters, thanks to its unique design, projected to accelerate the flow and amplify the signal to the electrodes, guarantees a pressure drop less than 250 mbar at velocity of 8 m/s. The pressure drop is always less than 10 mbar at velocities lower than 1 m/s.

Installation

The cone shaped section of the internal part of the sensor, allows an optimized and accelerated flow profile which permits to install the sensor in any kind of condition; no need to have straight sections/segments of pipes upstream and downstream. This U0-D0 condition enables to have an extreme flexibility on the flowmeter installation position.

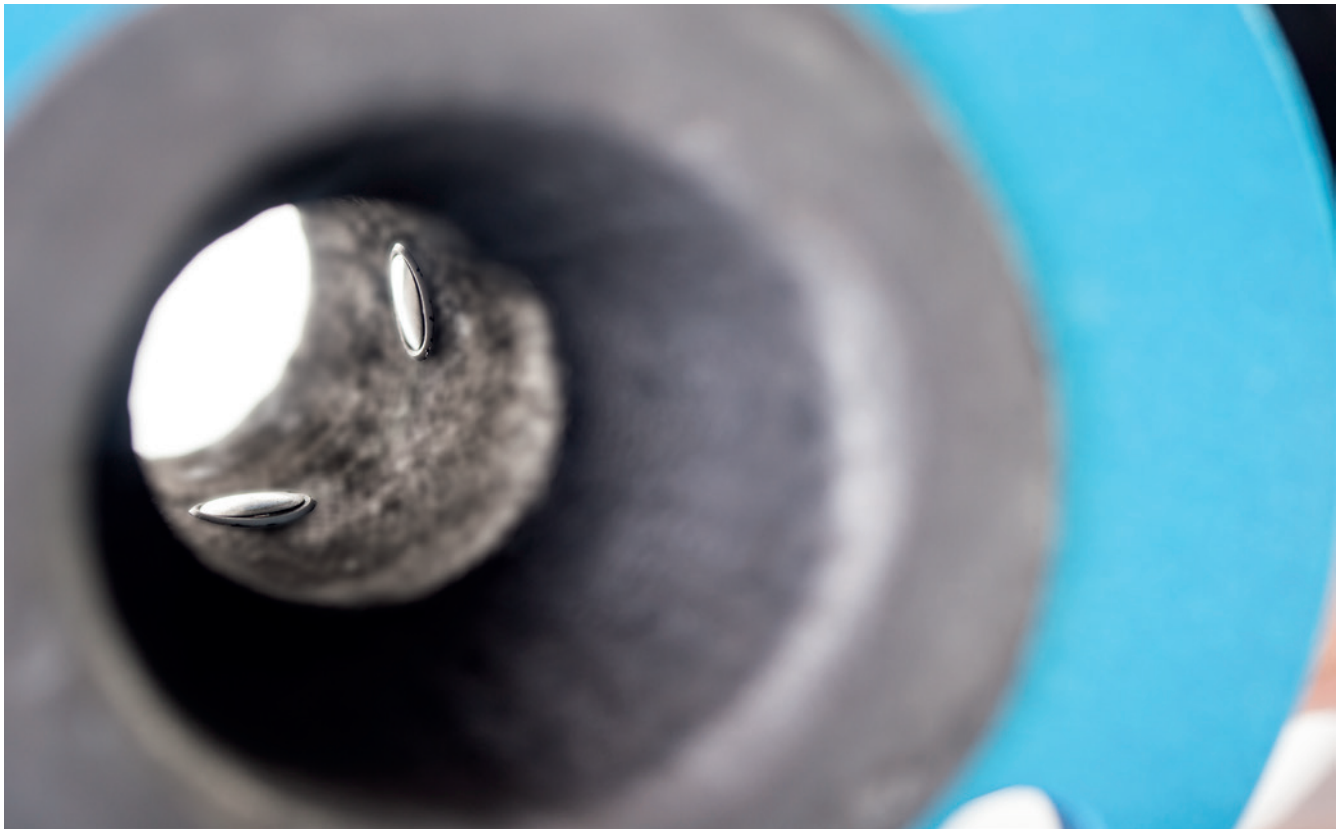
Reference standards

The Euromisure magnetic meters are marked CE and are manufactured according to the following standards:

- 2014/35/EU - EN 61010-1:2013 (LVD)
- 2014/30/EU - EN 61326-1:2013 (EMC)
- OIML R49-1:2013
- European directive 2014/32/EU (MID)
- 2014/34/UE - IEC 60079 - 0, IEC 60079 - 18 (ATEX - IECEx) Separate version
- EN ISO 15609-1 and EN ISO 15614-1
- UNI EN ISO 12944-2, painting for C4 class environments (on request)
- Ebonite conform to the norms WRAS, FDA and DM174.



Zero upstream and downstream straight length requirements



FLC-2300 - Detail of internal lining and electrodes

Technical data

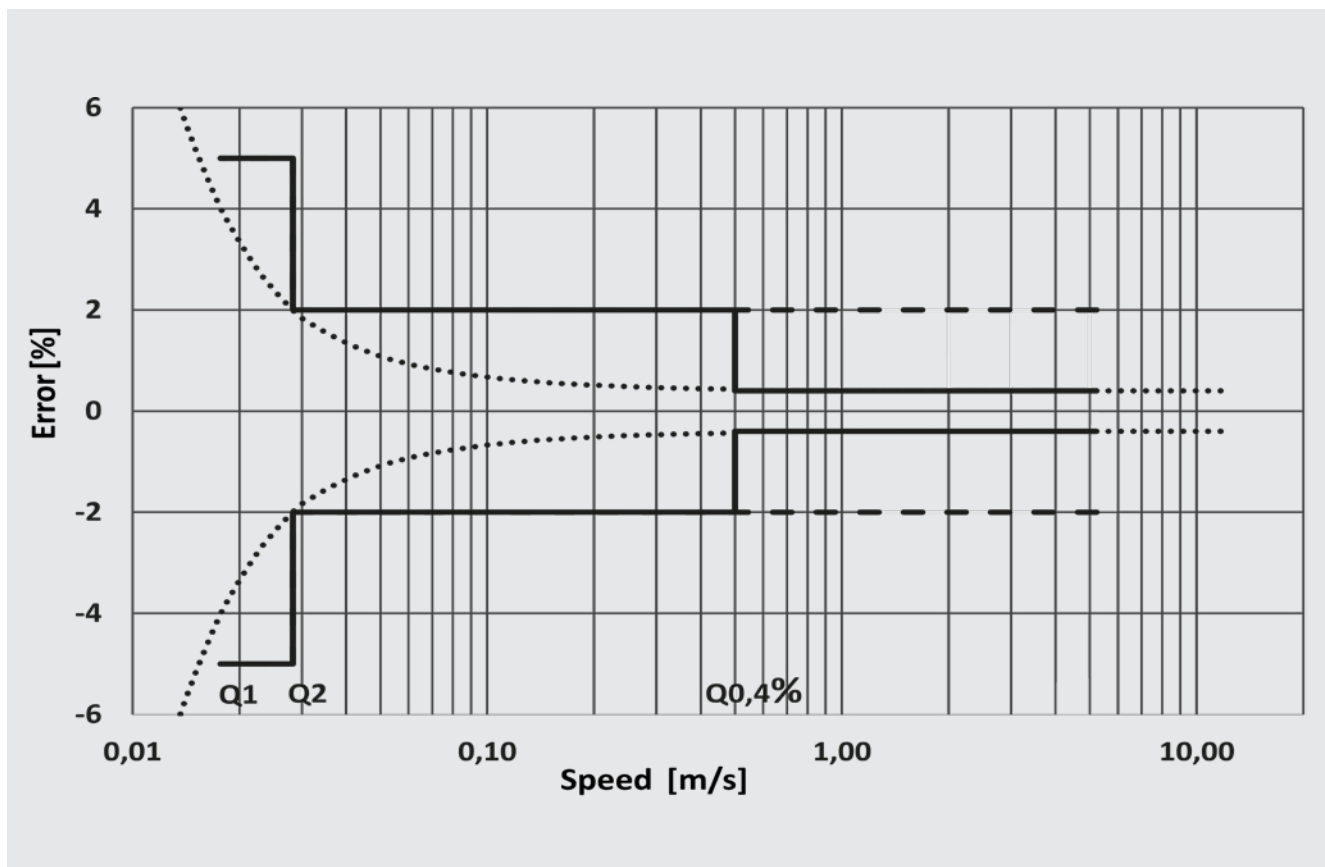
Flow tube material		SS304, SS316 (optional)								
Flanges material		Carbon steel (S235JR - 1.0037), SS304 optional, SS316 optional								
Available electrodes material		Hastelloy C (standard), Hastelloy B, Titanium, Tantalum, Platinum								
Internal lining		Ebonite								
Liquid temperature		-40 °C / + 80 °C								
Available diameters	mm	50	65	80	100	125	150	200	250	300
	inches	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"
Standard flanged connections		EN1092-1 PN 16, ANSI 150								
Flanged connections on request		AS 2129 (Table D, E, F), AS 4087 (PN 16, 21), KS10K, others on request								
Standard operation pressure		21 bar								
Pressure drop class		DN≤80 ΔP25 (< 0,25 bar)					DN≥100 ΔP40 (< 0,40 bar)			
Installation requirements/ conditions		U0-D0								
Protection Degree		IP68 permanent submersion at 1,5 m (EN 60529)								
Compatible converters		FLC-608A/B/R/P, FLC-406								
Electrical connection		Cableglands M20 x 1.5 + terminal box + sealing resin								

Flow rates chart

Sensor diameter	Flow rate [m³/h]					Ratio Q3/Q1
	Min. Q1	Trans. Q2	Q0,4%	Perm. Q3	Overl. Q4	
DN50 - 2"	0,125	0,20	3,50	25,00	31,25	200
DN65 - 2" 1/2	0,20	0,32	6,00	40,00	50,00	200
DN80 - 3"	0,315	0,50	9,00	63,00	78,75	200
DN100 - 4"	0,50	0,80	14,00	100,00	125,00	200
DN125 - 5"	0,80	1,28	22,00	160,00	200,00	200
DN150 - 6"	1,25	2,00	32,00	250,00	312,50	200
DN200 - 8"	3,15	5,04	57,00	630,00	787,50	200
DN250 - 10"	5,00	8,00	90,00	1000,00	1250,00	200
DN300 - 12"	8,00	12,50	128,00	1000,00	1250,00	125

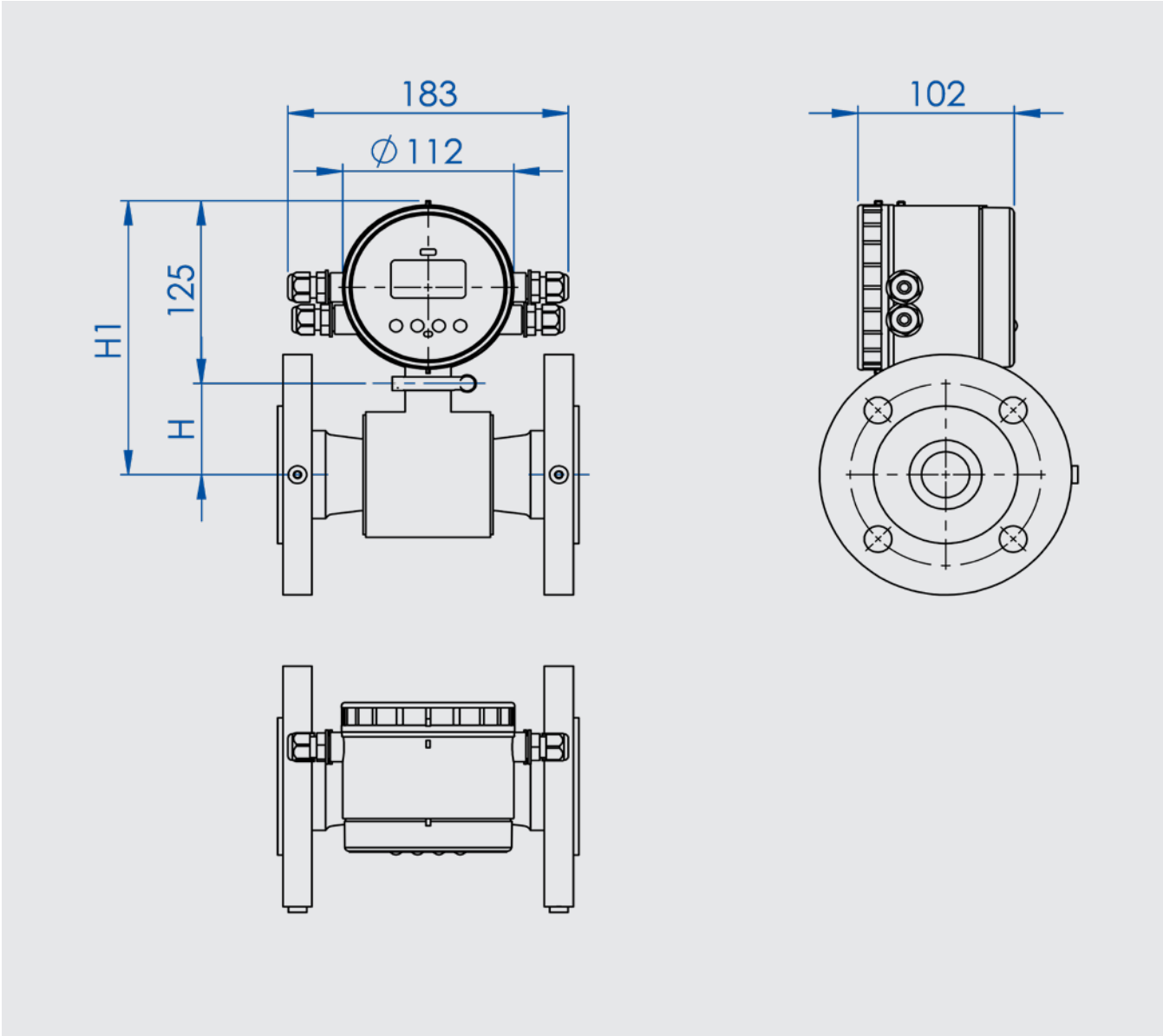
Calibration and maximum error

FLC-2300 sensors belong to the reference Group B1 (ISO 11631). Each sensor is calibrated by an hydraulic bench equipped with a reference weighting system and ACCREDIA certified. The uncertainty of the calibration is $0,2\% \pm 2$ mm/s. The repeatability of the measure is 0,1%. Bi-directional measure. Furthermore the sensors are certified MID01 norms (if coupled to FLC-406 converters) for custody transfer.



Maximum Permissible Error is within the limits indicated in the previous graph.

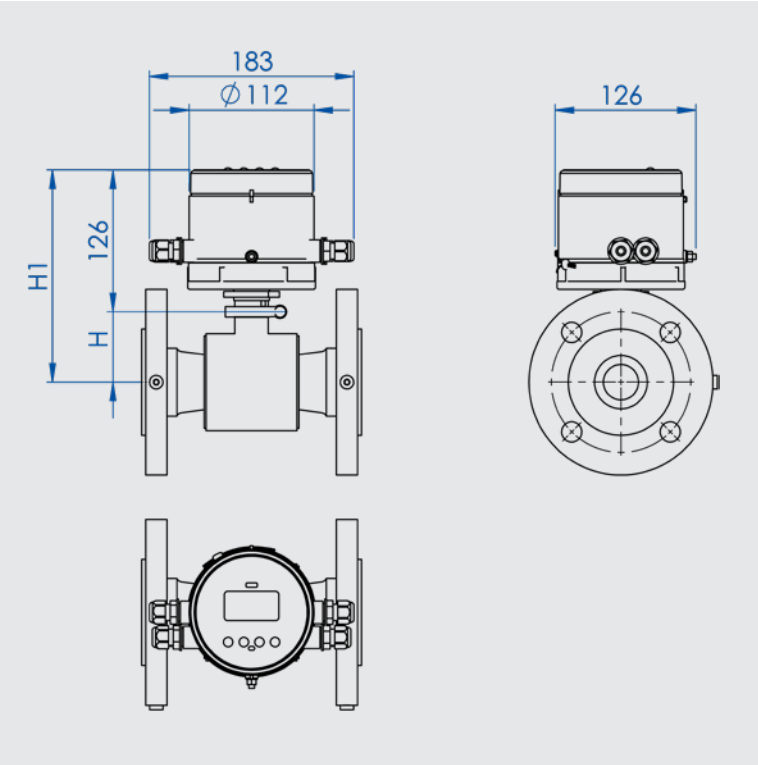
COMPACT VERSIONS - FLC-2300 - FLC-406 HORIZONTAL



FLC-406 HORIZONTAL DIMENSIONS

DN	H	H1
50 - (2")	62	187
65 - (2" 1/2)	62	187
80 - (3")	71	196
100 - (4")	79	204
125 - (5")	106	231
150 - (6")	101	226
200 - (8")	147	272
250 - (10")	176	301
300 - (12")	207	332

COMPACT VERSIONS - FLC-2300 - FLC-406 VERTICAL



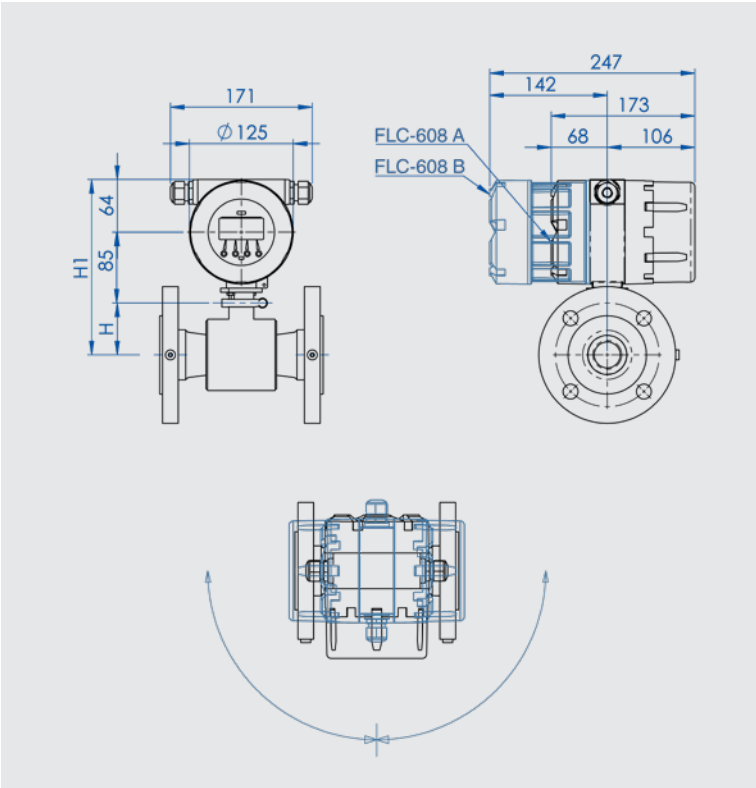
FLC-406 VERTICAL DIMENSIONS

DN	H	H1
50 - (2")	62	188
65 - (2" 1/2)	62	188
80 - (3")	71	197
100 - (4")	79	205
125 - (5")	106	232
150 - (6")	101	227
200 - (8")	147	273
250 - (10")	176	302
300 - (12")	207	333

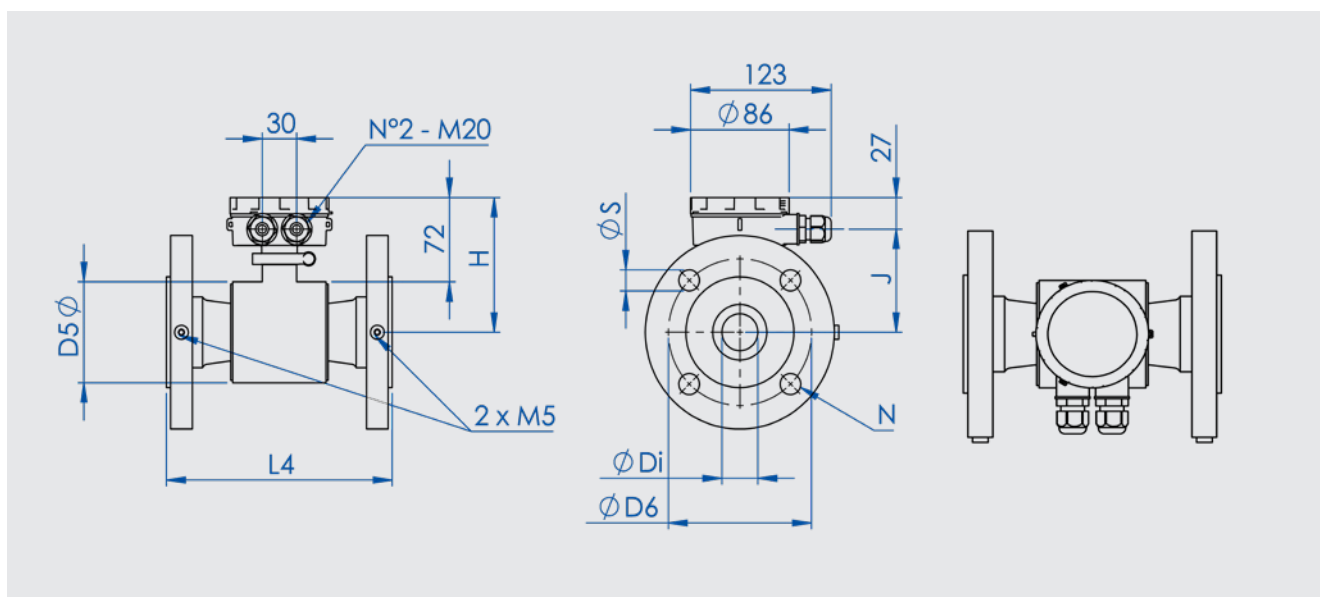
COMPACT VERSIONS - FLC-2300 - FLC-608 A/B/R

FLC-608 A/B/R - DIMENSIONS

DN	H	H1
50 - (2")	62	211
65 - (2" 1/2)	62	211
80 - (3")	71	220
100 - (4")	79	228
125 - (5")	106	255
150 - (6")	101	250
200 - (8")	147	296
250 - (10")	176	325
300 - (12")	207	356



SEPARATE VERSION - FLC-2300



FLC-2300 - EN 1092 / PN 16

DN	D5	L4	J	Di	D6	N	S	H
50	85	200 (+0/-3)	87,35	30,4	125	4	18	114,5
65	85	200 (+0/-3)	87,35	34,3	145	4	18	114,5
80	103	200 (+0/-3)	96,35	46,3	160	4	18	123,5
100	118	250 (+0/-3)	103,85	62,1	180	8	18	131
125	172	250 (+0/-3)	130,85	74,9	210	8	18	158
150	163	300 (+0/-3)	126,35	100	240	8	22	153,5
200	255	350 (+0/-3)	172,35	154,3	295	8	22	199,5
250	312	450 (+0/-5)	200,85	205	350	12	22	228
300	375	500 (+0/-5)	232,35	259	400	12	22	259,5

FLC-2300 - ANSI 150

DN	D5	L4	J	Di	D6	N	S	H
2" - (DN 50)	85	200 (+0/-3)	87,35	30,4	120,65	4	19,05	114,5
2" 1/2 - (DN 65)	85	200 (+0/-3)	87,35	34,3	139,7	4	19,05	114,5
3" - (DN 80)	103	200 (+0/-3)	96,35	46,3	152,4	4	19,05	123,5
4" - (DN 100)	118	250 (+0/-3)	103,85	62,1	190,5	8	19,05	131
5" - (DN 125)	172	250 (+0/-3)	130,85	74,9	215,9	8	22,352	158
6" - (DN 150)	163	300 (+0/-3)	126,35	100	241,3	8	22,352	153,5
8" - (DN 200)	255	350 (+0/-3)	172,35	154,3	298,45	8	22,352	199,5
10" - (DN 250)	312	450 (+0/-5)	200,85	205	361,95	12	25,4	228
12" - (DN 300)	375	500 (+0/-5)	232,35	259	431,8	12	25,4	259,5

FLC-2300 - AS 2129 / TABLE D

DN	D5	L4	J	Di	D6	N	S	H
50	85	200 (+0/-3)	87,35	30,4	114	4	18	114,5
65	85	200 (+0/-3)	87,35	34,3	127	4	18	114,5
80	103	200 (+0/-3)	96,35	46,3	146	4	18	123,5
100	118	250 (+0/-3)	103,85	62,1	178	4	18	131
125	172	250 (+0/-3)	130,85	74,9	210	8	18	158
150	163	300 (+0/-3)	126,35	100	235	8	18	153,5
200	255	350 (+0/-3)	172,35	154,3	292	8	18	199,5
250	312	450 (+0/-5)	200,85	205	356	8	22	228
300	375	500 (+0/-5)	232,35	259	406	12	22	259,5

FLC-2300 - AS 2129 / TABLE E

DN	D5	L4	J	Di	D6	N	S	H
50	85	200 (+0/-3)	87,35	30,4	114	4	18	114,5
65	85	200 (+0/-3)	87,35	34,3	127	4	18	114,5
80	103	200 (+0/-3)	96,35	46,3	146	8	18	123,5
100	118	250 (+0/-3)	103,85	62,1	178	8	18	131
125	172	250 (+0/-3)	130,85	74,9	210	8	18	158
150	163	300 (+0/-3)	126,35	100	235	8	22	153,5
200	255	350 (+0/-3)	172,35	154,3	292	8	22	199,5
250	312	450 (+0/-5)	200,85	205	356	12	22	228
300	375	500 (+0/-5)	232,35	259	406	12	26	259,5

FLC-2300 - AS 4087 / PN 16

DN	D5	L4	J	Di	D6	N	S	H
50	85	200 (+0/-3)	87,35	30,4	114	4	18	114,5
65	85	200 (+0/-3)	87,35	34,3	127	4	18	114,5
80	103	200 (+0/-3)	96,35	46,3	146	8	18	123,5
100	118	250 (+0/-3)	103,85	62,1	178	4	18	131
125	172	250 (+0/-3)	130,85	74,9	210	8	18	158
150	163	300 (+0/-3)	126,35	100	235	8	18	153,5
200	255	350 (+0/-3)	172,35	154,3	292	8	18	199,5
250	312	450 (+0/-5)	200,85	205	356	8	22	228
300	375	500 (+0/-5)	232,35	259	406	12	22	259,5



Euromisure s.a.s di WIKA Italia S.r.l.
 via Borghisani 4
 26035 Pieve San Giacomo (CR)/Italy
 Tel. (+39) 0372/6404
 Fax (+49) 0372/640490
 E-mail sales@euromisure.it
 www.euromisure.com

05/2019 EN

Electromagnetic flowmeter - Hybrid signal converter

Model FLC-608

Euromisure data sheet FLC EM 19.05

Applications

- Water & waste water
- Chemical industry
- Pulp and paper
- Transport line and leak detection systems
- Any remote application with no access to mains power

Variations

- **FLC-608A:** mains powered version 12/24 VAC/DC or 90/264 VAC. Aluminum case.
- **FLC-608B:** battery powered with a useful life of 6 years (max DN600 with full bore units). Aluminum case.
- **FLC-608R:** rechargeable battery powered, with solar panel and 12/24 VAC/DC input (max DN600 with full bore units). Aluminum case.
- **FLC-608P:** mains powered version 12/24 VAC/DC or 90/264 VAC panel version. Polycarbonate case.
- **FLC-608I:** mains powered version 12/24 VAC/DC or 90/264 VAC with internal battery backup, or rechargeable battery with solar panel. Stainless Steel case.

General features

Installation

Compact (FLC-608A/B/R).

Separate (Remote): up to 100 meters cable with mains powered units FLC-608A/P/I), or up to 30 meters of cable supplied from factory with battery operated units (FLC-608B/R). FLC-608 is compatible with the complete line of sensors from Euromisure.

Enclosures

Reliable and robust IP68 aluminum case for FLC-608A/B/R, Stainless steel IP54 for FLC-608I for remote installations, and IP67 polycarbonate sturdy case for panel installations (FLC-608P).

Data security

Excellent data security thanks to the internal EEPROM memory. Enhanced data storage of 200.000 lines of data (more than



FLC-608 Signal converter

6 years of data under factory settings). Cycle memory, old data will be over written by new ones when full capacity is reached. A software is supplied with the unit to allow users to communicate via Ircom port or RS485 Modbus interface, to any pc, lap top or Windows tablet. Easy data download and management, easy programming. Advanced self-diagnostic performs a wide range of essential checks automatically. Multi-level password system to guarantee accessibility and confidentiality.

Accuracy and certifications

- 2014/35/EU - EN 61010-1:2013 (LVD)
- 2014/30/EU - EN 61326-1:2013 (EMC)
- OIML R49-1:2013 - Class 2

Add on modules

Hart protocol option available on FLC-608A Pressure and temperature reading modules, make the FLC-608 one of the most complete electronic converter for electromagnetic flowmeters available, giving the end user a full control over all the main parameters of its network, reducing cost of programming, installation and maintenance. 1 Unit supplying flow – pressure – temperature, all at the same time.

Always verified

On-site verification available with the Field verifier.

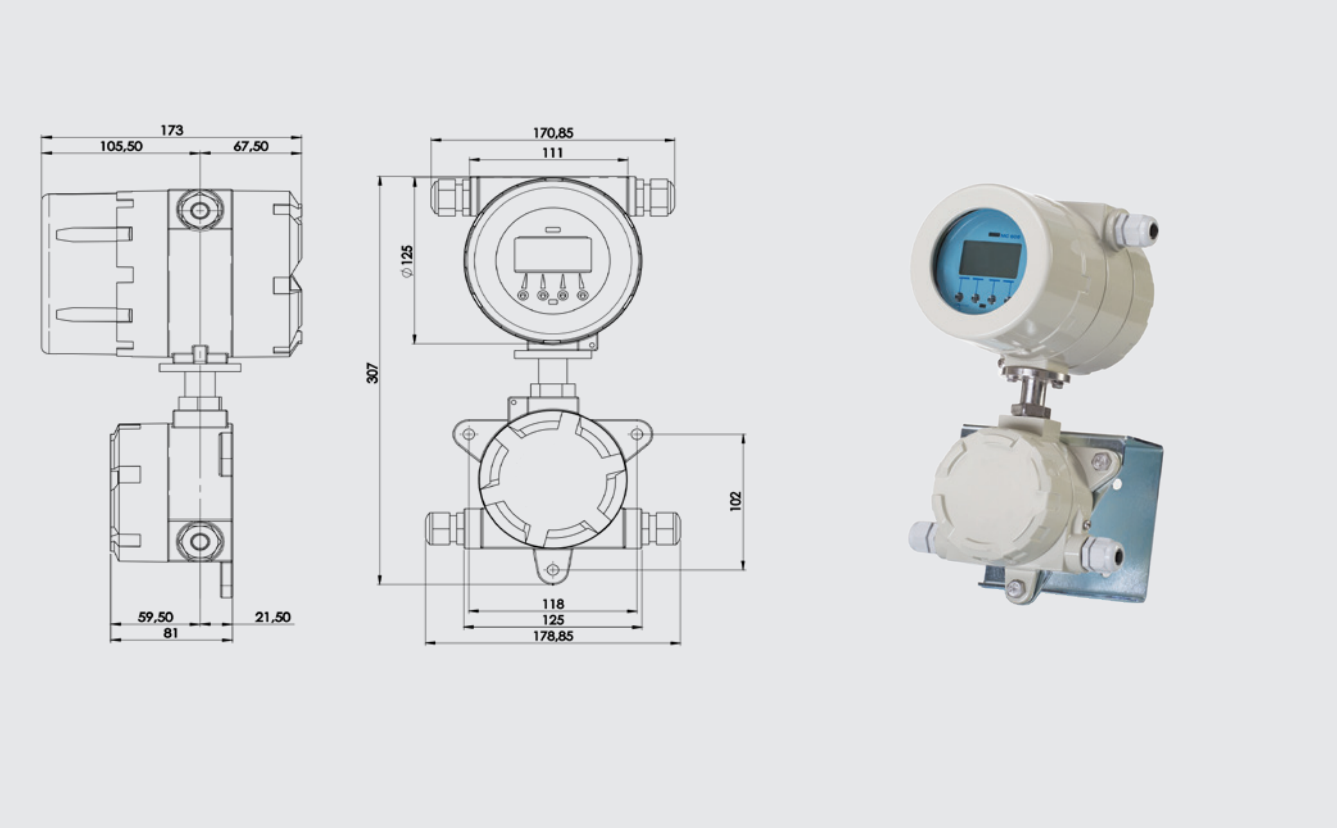
Technical features

Features		FLC-608A	FLC-608P	FLC-608B	FLC-608R	FLC-608I
Case		Aluminium IP68	Technopolymer IP54	Aluminium IP68	Aluminium IP68	SS IP54
Power supply	90...264 VAC	√	√ ext. supp.			√
	12/24 VAC/DC	√	√			√
	Battery powered supply			√		√
	Rechargeable battery + solar panel				√	√
Installation	Compact	√		√	√	
	Separate	max 100 m	max 100 m	max 30 m	max 30 m	max 100 m
Signals I/O	Analogue output 4-20 mA	√	√	√ loop pow.	**	√
	Pulse output	√	√	√	√	√
	Hart protocol*	√	√			
	Programmable digital output	√	√		**	√
	Active frequency digital output 0-10 kHz	√	√		**	√
Serial Communication	IrCOM interface	√	√	√	√	√
	RS 485 - MODBUS RTU	√	√		**	√
Display	Graphic LCD display 128x64 pixels, 50x25 mm visual area, backlit white colour	√	√	√	√	√
Programming	With push buttons on board of converter, by IrCOM interface or via RS485 and MODBUS RTU	√	√	√	√	√
Process Data logger	4 MB flash memory, 200,000 lines of data	√	√	√	√	√
Standards	Type approved OIML R49-1:2013 - Class 2	√				
Temperature		Ambient: -20...+60 °C (-4...+140 F); Media: -25... +80 °C (-13...+176 F); Storage: -40...+70 °C (-22...+158 F)				
Flow units		ml, cl, dl, l, dal hl, in3, ft3, gal, USgal, bbl, oz, + custom value				
Add on modules		Pressure (1) and Temperature (2)				
Totalizers		5 (2 positive, 2 negative, 1 NET)				
Alarms and status		Status icon displayed and alarm logged in the datalogger				
Self diagnostic		Alarms available: excitation failure empty pipe on the 4th electrode high temperature pulse overlapped measurement error				
External verification		Field vericator available for calibration verification and electronic status				
Software for communication and programming		Commissioning (equal settings of meters) - Data print for documentation - Data export (CSV file) - Firmware update - Read instant flowrate - Read and write all non-volatile parameters - Download internal datalogger - View instrument event logger				

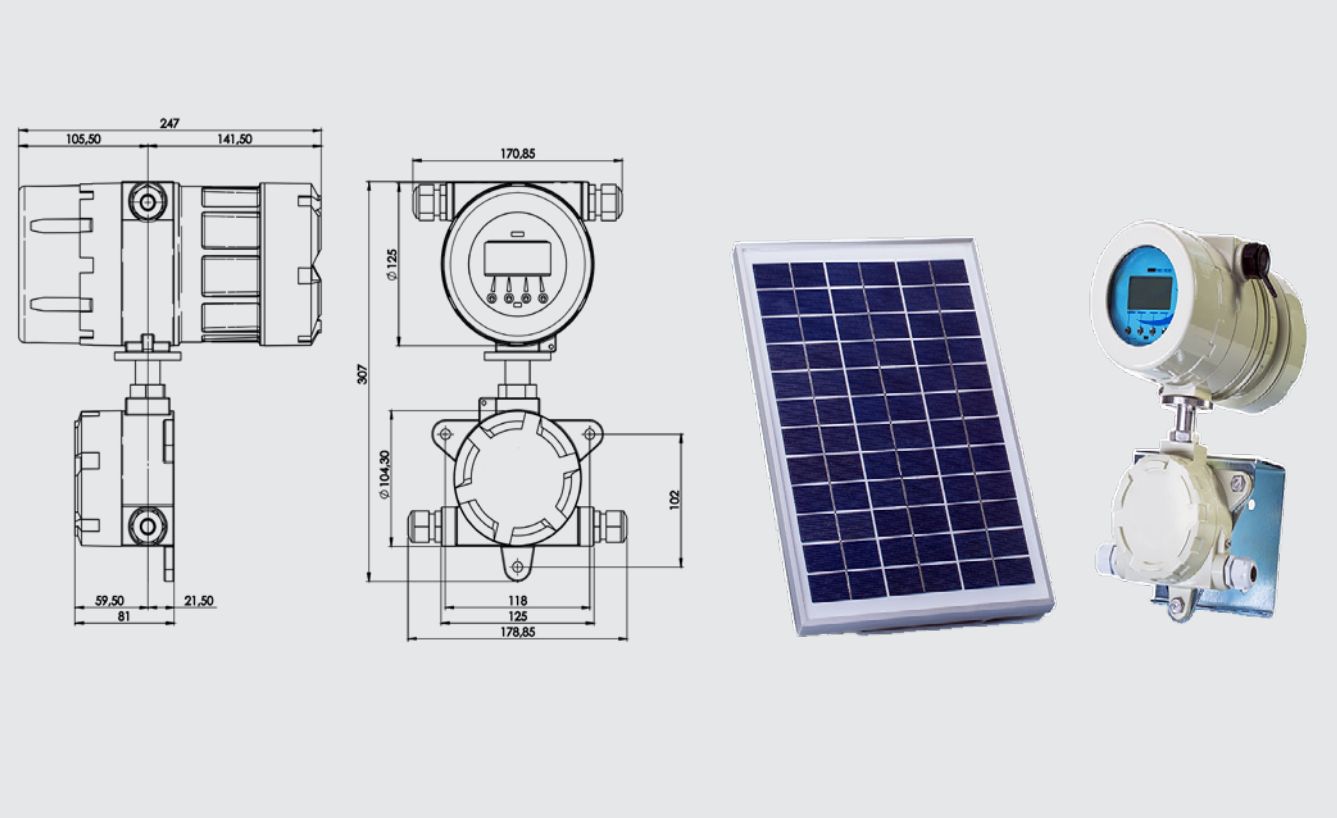
* Optional

** Only in recharge mode

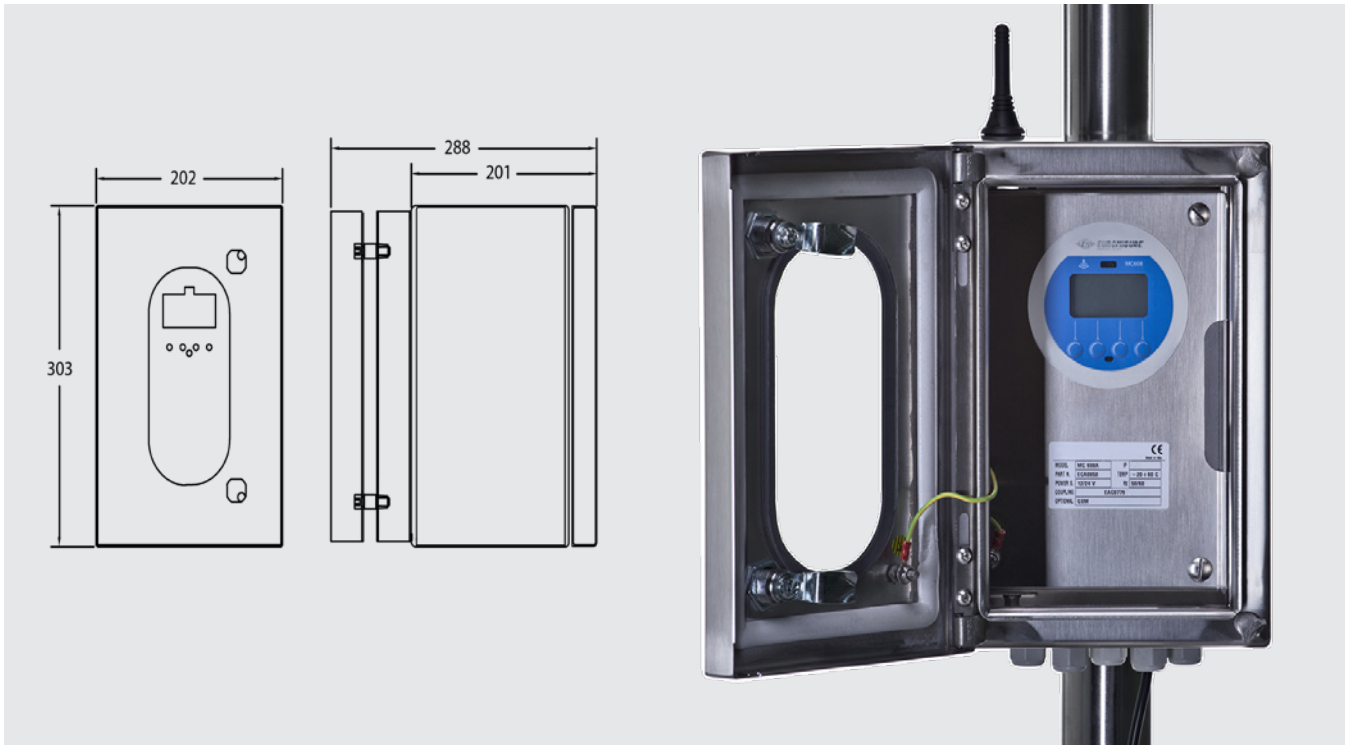
FLC-608A



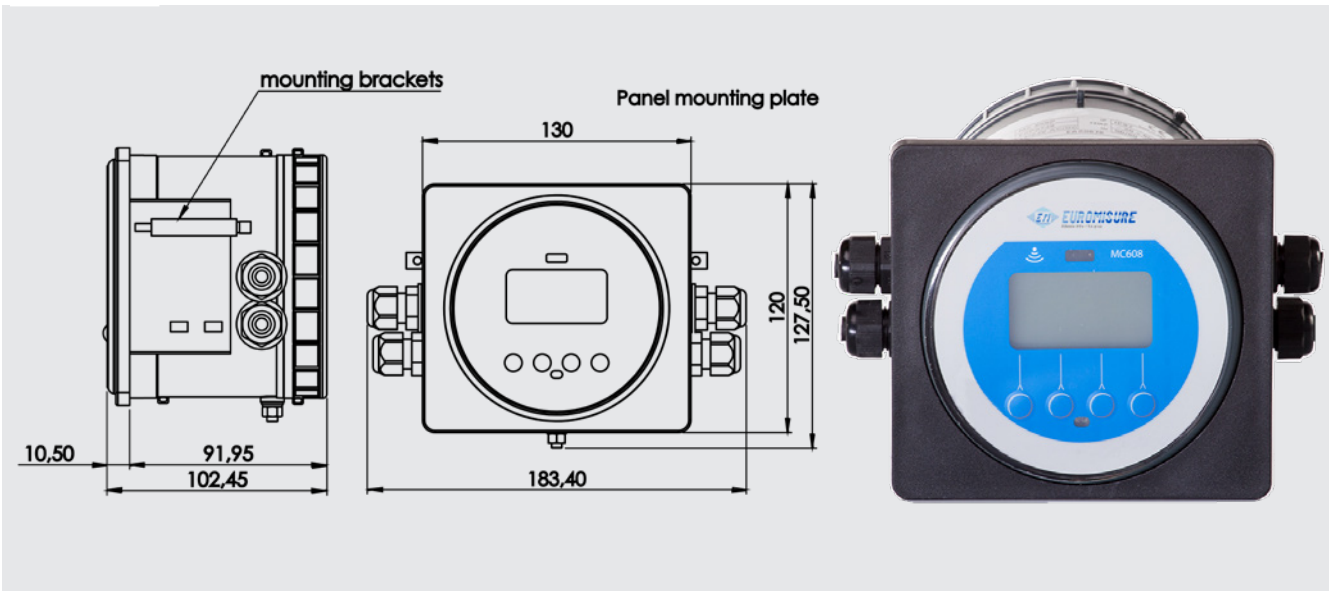
FLC-608B/R



FLC-608I



FLC-608P



Euromisure s.a.s di WIKA Italia S.r.l.
 via Borghisani 4
 26035 Pieve San Giacomo (CR)/Italy
 Tel. (+39) 0372/6404
 Fax (+49) 0372/640490
 E-mail sales@euromisure.it
www.euromisure.com

05/2019 EN